

Appl. No. 09/842,472
Amdt. dated June 28, 2004
Reply to Office Action of 3/25/04

Amendments to the Specification:

Please amend the specification beginning at page 107, line 3, as follows:

With the man-hour management system ~~according to the present invention as defined in Claim 1~~, the standardized man-hours are set for the constituent works or the conditions of each of the constituent works, and the constituent work items are managed in process units, so that a man-hour analysis can be made between the constituent works within each process or between the processes. Therefore, the analysis of a process organization loss or wait man-hours within each process or between processes is facilitated, and a plant capability loss, the process organization loss and wait man-hours can be lessened in short times. Moreover, at a model change, the development of a new car type, or the like, a man-hour analysis can be made on the basis of the data of a close car type under the management, so that process organization of little loss can be performed in a short term.

With the man-hour management system ~~according to the present invention as defined in Claim 2~~, each time man-hours are changed by the alteration of a shape, the curtailment of a cost, or the like, the change of work contents on that occasion is managed along with the changed man-hours, and hence, the course in which the man-hours have been changed can be readily grasped. Therefore, data can be diverted to a similar alteration in shape, a similar place of curtailed cost, or the like at the development of a new car type, a model change, or the like.

With the man-hour management system ~~according to the present invention as defined in Claim 3~~, the wait time and working time of each constituent work and the start time of each constituent work are managed as timing graph data, so that the wait time of the constituent work can be readily analyzed. Further, the work flow between the constituent works within the process can be grasped at a glance. Therefore, a wasteful wait time can be shortened in a short time.

With the man-hour management system ~~according to the present invention as defined in Claim 4~~, the lines for implementing processes or constituent works are registered and managed, so that the line which is implementing the process or the constituent work can be readily referred to.

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With the man-hour management system ~~according to the present invention as defined in Claim 5~~, the series and types are registered and managed, so that the series or type for which the process or constituent work is proceeding can be readily referred to. Besides, the analysis of a man-hour difference loss involved between the types in case of producing two or more types in one line is facilitated, and the man-hour difference loss can be relieved in a short time.

With the man-hour management system ~~according to the present invention as defined in Claim 6~~, the derivatives associated with the series are registered and managed, so that the series to which any of the derivatives being handled belongs can readily referred to. Besides, the analysis of a man-hour difference loss involved between the derivatives in case of producing two or more derivatives in one line is facilitated, and the man-hour difference loss can be relieved in a short time.

With the man-hour management system ~~according to the present invention as defined in Claim 7~~, the data having become unnecessary can be extracted from the database in series units, and the extracted data can be stored in the database in series units again, so that the database can be efficiently utilized.

With the man-hour management system ~~according to the present invention as defined in Claim 8~~, the standardized man-hours are by analyzing the movements refined from the constituent work, so that the set standardized man-hours differ little from real man-hours of the constituent work by individual workers. Therefore, a man-hour analysis is made on the basis of the standardized man-hours of high reliability, and the reliability of an analyzed result is also enhanced.